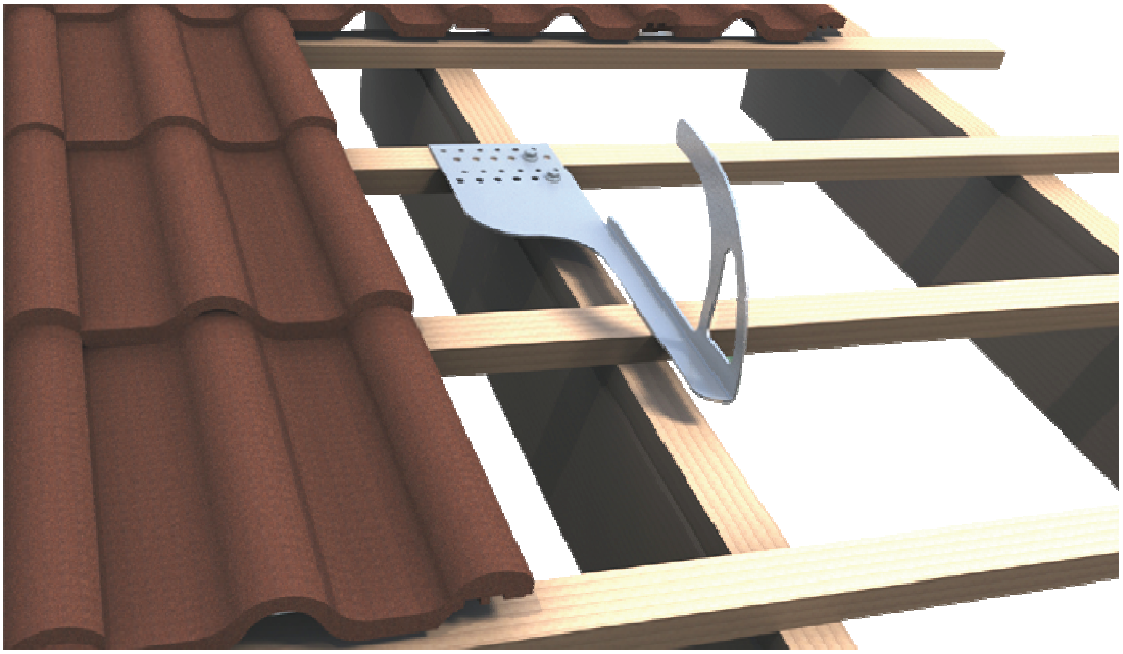
ABS-Lock® DH03

Roof Safety Hook in Accordance with EN517, Type B, and Anchorage Point in Accordance with EN795, Types A and B, Certified for All Directions of Load

The ABS-Lock® DH03 roof safety hook is a secure single anchorage point for 3 individuals and also serves as a roof hook for hooking up ladders. The DH03 is installed on a substructure which has already been tested for structural stability (e.g. supporting roof construction). The DH03 is a single anchorage point tested for all directions of load which means it can also be used at the roof verge and roof apex (even over the top of the roof apex). The roof hook has a large opening so that personal protective equipment can be hooked onto it using a carabiner.



The hook is always mounted to:

a roof beam - with or without rafter insulation

using special screws, the type and length of which vary depending on the distance to be bridged (counter battens, insulation etc.)

IMPORTANT
Please study this Installation and User Manual carefully prior to installation and make sure the instructions are strictly followed! All individuals using this anchorage system should read and make sure they have understood the User Manual and must strictly observe the manufacturer's instructions.

INSPECTION PRIOR TO USAGE:

- The recommendations for the usage of other products in conjunction with this product must be observed.
- The anchorage point must be free from damage with no evidence of corrosion.
- The installation technicians must ensure that the substructure is suitable for installing the ABS-Lock® DH03 roof hook.
- The anchorage point must be in good working order without any wear or tear or deformation.
- The anchorage point must not be used if the above criteria are not fulfilled.

The anchorage point must be subjected to an annual inspection by an expert and accordingly documented. This examination is crucial to both the effectiveness and the durability of the system - which in turn has an immediate impact on the user's safety.

SAFETY REGULATIONS:

- Prior to usage the whole safety system should be checked for visible defects or signs of damage (e.g. loose screws, deformation, fatigue, corrosion, defective roof sealants etc.)
  If there are any doubts as to whether the safety system is functioning safely it should be checked by an expert (with respective written documentation).
- The ABS-Lock® DH03 was developed both to secure individuals and for hooking up roof ladders. It must not be used for any other purpose. Never hook up undefined loads to the safety system.
- This product may be used as a single anchorage point by max. 3 individuals.
- This product may only be used by appropriately instructed and trained personnel.
- This product must be used with connectors (in accordance with EN 362) and personal fall protection equipment (e.g. lanyard with fall absorber according to EN 354 and EN 355, guided type fall arrester with a flexible anchor in compliance with EN 353-2 or a self-retracting lifeline in accordance with EN 360).
- Following a fall the product must be taken out of service and examined by the manufacturer.
- Do not expose the anchorage point to chemicals or other aggressive substances. If in doubt, please contact the manufacturer.
- If there are any doubts as to the safety of the anchorage point it should be immediately taken out of service and sent to the manufacturer for inspection.
- When installing/using the ABS-Lock® DH03 roof hook the respective accident prevention rules must be observed (e.g. working on rooves).
- An emergency rescue plan must be in place to cover any emergency which may arise.
- Prior to commencing work steps must be taken to ensure that no tools or equipment can fall from the workplace. The area directly below the place of work (pavement etc.) must be kept free).
- Stainless steel must not come into contact with sanding dust or steel tools as this can lead to corrosion.
- The anchorage point must be planned, installed and used in such a way as to eliminate the risk of falling over the edge when the personal protective equipment is used correctly.
- Important: For horizontal deployment use only lanyards which are suitable for the respective application and which have been tested for the type of edge in question (sharp edges, trapezoidal sheeting, girders, concrete etc.)
- The complete safety system, including any personal protective equipment used, must be examined at least once a year by an expert. The results of the expert's examination must be recorded in the log book supplied. The legibility of the labeling must also be checked.
- No modifications may be made in arrears to an anchorage point which has already been approved.
- If the safety system is placed in the hands of external contractors this Installation and User Manual must also be handed over in written form.
- The ABS-Lock® DH03 roof safety hook is not suitable for applications high up requiring rope support (abseiling work etc.)
- It is absolutely vital to ensure that there is sufficient clearance below the user's feet. Should a person secured by the anchorage system fall, it is important to allow for the ensuing deformation of the anchorage system when calculating the required restraining distance (fall absorber stretch, cable expansion and the fact that the lanyard slips along the body). Please also heed the user manuals of any other fall arrest PPE used.
- Health restrictions (cardiovascular diseases, the taking of medicines) can negatively impact the user's safety when working at heights.
- If there are any doubts regarding the user's physical condition, please consult a doctor prior to usage.
- Children and pregnant women should not use the system.

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USAGE

CERTIFICATION

The **ABS-Lock® DH03 roof safety hook** is tested and licensed in accordance with EN 517, type B, for all directions of load. The **ABS-Lock® DH03** is also tested and licensed for 3 individuals in accordance with EN 795:1996, types A and B.

REQUIREMENTS TO BE FULFILLED BY THE USER

The ABS-Lock® DH03 was developed to protect individuals from injury caused by a fall whilst carrying out their work. In the case of a fall the force exerted on the user is reduced to what medical experts view as an acceptable level. Only individuals who are familiar with the User Manual and are physically healthy may use the system.

COMPATIBLE EQUIPMENT

Only equipment tested and approved by ABS may be used in combination with the ABS-Lock® DH03. ABS accepts no liability for incidents resulting from the use of non-compatible equipment. The use of alternative equipment is only possible after receiving written permission from ABS.

IMPORTANT: When using a retention system with a rope shortener the lanyard must be appropriately adjusted to rule out the possibility of a fall. ABS does not accept any liability for non-conformance!

However, in certain situations the user may hold onto the roof hook for reasons of safety. This is permissible. However, one should take care not to exert too much force as this could lead to deformation. The roof hook has been specially designed to buckle when put under pressure (in the case of a fall) in order to protect both the construction and the user from being subjected to excessive force.

SUBSTRUCTURAL REQUIREMENTS

MATERIALS

Supporting wooden roof construction (rafter)

RAFTER SIZE

The rafter must be at least 6x16cm in size.

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INSTALLATION

Only use original ABS assembly materials (screws etc.)

INSTALLATION OF THE ABS-LOCK® DH03 WITH OR WITHOUT RAFTER INSULATION

Before usage it is imperative to check that the screws supplied with the DH03 are long enough and comply with the minimum depth requirements when screwed into the rafters. The required minimum depth is 100 mm.

1.
Remove the roof tile where the DH03 is to be installed.

2.
Position the roof hook over the rafter.

3.
The folded-back edge along the top side of the roof hook is designed to fit over the rafter and keep it in place.

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4.
Screw both screws part of the way in.

5.
First screw the bottom screw right into the rafter. Be careful: Do not overly tighten the screw. Do not bend the roof hook!

6.
Now screw the top screw right into the rafter.

7.
Finally, replace the roof tile.

It may prove necessary to break off a section of the tile so that it fits properly.

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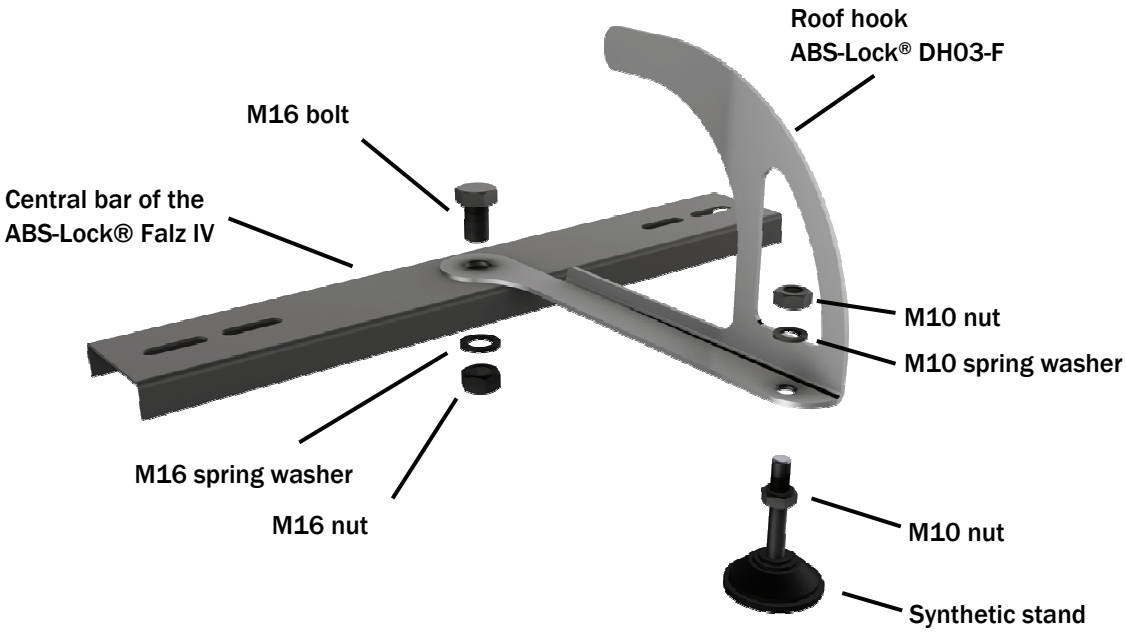
INSTALLATION OF THE ABS-LOCK® DH03-F ON ABS-LOCK FALZ IV SEAM BRACKET



1. Screw the roof hook onto the crossbar of the Falz IV using the stainless steel M16x30 bolt supplied, countering it with the spring washer and nut.

2. Torque to be used on the bolt = 70 Nm

3. The synthetic stand is countered using the two M10 nuts, placing a spring washer under the top M10 nut.

4. The Falz IV can now be fixed to the substructure.

THE INSTALLATION OF THE ABS-LOCK® FALZ IV SEAM BRACKET IS DESCRIBED IN THE RESPECTIVE INSTALLATION AND USER MANUAL AND DOES NOT CONSTITUTE PART OF THIS DOCUMENT.

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LABELING INFORMATION

The anchorage device bears a label with the following information:

Model: Manufacturer: Batch No.: Max. number of individuals allowed: Test standard with release date:	ABS-Lock® DH03 ABS Safety GmbH X XXXXX 3 individuals EN 517, type B, EN 795:1996, types A+B	
Symbol pointing out that it is important to follow the instructions in the user manual:		
CE-symbol and ID No. of the notified office engaged in inspecting the PPE	**DEKRA EXAM GmbH** **Dinnendahlstrasse 9** **44809 Bochum**	CE 0158

If the product is distributed in countries where a different language is spoken the dealer is responsible for ensuring that a user manual is supplied in the corresponding local language.

WARRANTY:

ABS-Lock® DH03 components are manufactured from stainless steel. Used under normal conditions we grant a 1 year guarantee against manufacturing faults on all components. Should, however, the system be implemented in an environment which is particularly corrosive the warranty period may be shortened. When subjected to stress (in the case of a fall) all warranty rights relating to those components designed to absorb energy and which may possibly be deformed and need replacing expire.

Important:
ABS Safety does not assume any responsibility or grant any warranties for installing the system or in cases where other installation companies are responsible for supplying and installing the components.

SALES AND DEVELOPMENT:

ABS Safety GmbH
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47623 Kevelaer
GERMANY

www.fall-arrest.eu
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INSPECTION LOG

Year of manufacture:	Model description/standard:	ABS-Lock® DH03 EN 517 B, EN 795:1996, types A+B
Purchase date:	Batch number:	
Date first used:	User name:	

Date	Processing reason (routine examination or maintenance)	Identified damage, maintenance work carried out etc.	Name/signature of a qualified person	Date of the next routine inspection

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